

a global address router coupled to said system units for transferring addresses generated in any of said system units to others of said system units;
a global data router for transferring data from any of said system units to others of said system units;
a control-signal distributor for communicating a plurality of control signals from any of said system units to others of said system units for affecting the operation of all of said system units in response to conditions occurring in said any system unit;
a domain configurator for electronically dividing said computer into a plurality of software-configurable hardware domains each comprising an arbitrary subset of said system units independently of any physical reconnection of said system units within said computer; and
a domain filter coupled to all of said system units for electronically inhibiting at least some of said control signals originating in those of said system units within one of said domains from affecting certain of said system units outside said one domain, wherein said domain filter is coupled to at least one of said global routers for inhibiting transactions on said one global router originating in those of said system units within one of said domains from being received in certain of said system units outside said one domain.

41. A computer according to claim 40 further comprising a computer controller responsive to said commands for specifying to said domain configurator which of said system units belong to each of said hardware domains.

42. A computer according to claim 41, wherein said one global router is said global address router.

43. A computer according to claim 41, wherein said global address router has multiple paths coupled to all of said system units for carrying a plurality of transactions between different subsets of said system units simultaneously.